

**SAFETY DATA SHEET**  
ALU PRO - INCL. HARDENER

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Compilation date: 29-10-2014  
Revision No: 1

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** ALU PRO - INCL. HARDENER  
**Product code:** 7033

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** PC9b: Fillers, putties, plasters, modelling clay.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** ProPart International B.V.  
Molenakker 3  
Reuver  
5953 TW  
The Netherlands  
**Tel:** +31 (0) 77 476 2368  
**Fax:** +31 (0) 77 476 2424  
**Email:** [info@propart-international.com](mailto:info@propart-international.com)

**1.4. Emergency telephone number**

**Emergency tel:** +31 (0) 77 476 2368 (08.30-17.00)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** -: R10; Xn: R48  
**Classification under CLP:** Flam. Liq. 3: H226; Repr. 2: H361d; STOT RE 1: H372; Skin Irrit. 2: H315; Eye Irrit. 2: H319

**Most important adverse effects:** Flammable. Danger of serious damage to health by prolonged exposure.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H226: Flammable liquid and vapour.  
H361d: Suspected of damaging the unborn child.  
H372: Causes damage to organs (hearing) through prolonged or repeated exposure.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark  
GHS08: Health hazard

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**Precautionary statements:** P501: Dispose of contents/container to an approved waste disposal according to local/regional/national/international regulations.  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use personal protective equipment as required.  
P314: Get medical advice/attention if you feel unwell.  
P405: Store locked up.

**Label elements under CHIP:**

**Hazard symbols:** Harmful.



**Risk phrases:** R10: Flammable.  
R48: Danger of serious damage to health by prolonged exposure.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

STYRENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
202-851-5	100-42-5	-: R10; Xn: R20; Xi: R36/38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315	11.250%

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265-199-0	64742-95-6	Xn: R65; -: R10; Xi: R37; N: R51/53	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	0.250%
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**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

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**Ingestion:** Drink plenty of water and provide fresh air. Drink zeer veel water en voer verse lucht aan.  
Buvez beaucoup d'eau et de l'air frais. Trinken Sie viel Wasser und Frischluftzufuhr. Call a doctor immediately. Onmiddellijk een dokter waarschuwen. Appelez un docteur immédiatement. Rufen Sie sofort einen Arzt an.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Bij klachten arts ontbieden.  
In case of complaints consult doctor. En cas de réclamation, consulter un médecin. Bei Beschwerden Arzt aufsuchen.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide.  
Dry chemical powder. Water spray. Alcohol resistant foam. Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** No data available.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Do not flush with water or aqueous cleaning agents. Absorb into dry earth or sand.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

[cont...]

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**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space.  
Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.  
Smoking is forbidden.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**STYRENE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	430 mg/m <sup>3</sup>	1080 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Butyl gloves. In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products. Butyl rubber gloves with a thickness of 0.4 mm are resistant to: Acetone: 480 min.; Butyl Acetate: 60 min.; Ethyl acetate: 170 min.; Xylene: 42 min. Handschoenen bestand tegen oplosmiddelen. Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product/de stof/de bereiding. Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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**9.1. Information on basic physical and chemical properties**

**State:** Paste  
**Colour:** According to product specification.  
**Odour:** Characteristic odour  
**Evaporation rate:** No data available.  
**Solubility in water:** Not / slightly miscible.  
**Viscosity:** No data available.  
**Boiling point/range°C:** 145  
**Melting point/range°C:** No data available.  
**Flammability limits %: lower:** 1,2  
**upper:** 8,9  
**Flash point°C:** 31  
**Part.coeff. n-octanol/water:** No data available.  
**Autoflammability°C:** No autoignition  
**Vapour pressure:** 6 hPa  
**Relative density:** No data available.  
**pH:** No data available.  
**VOC g/l:** 217,4 g/l

**9.2. Other information**

**Other information:** Ignition temperature: 480°C. Density: 1,7 g/cm<sup>3</sup> (20°C). Solids content: 87,3%.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

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**Hazardous ingredients:**

**STYRENE**

IVN	MUS	LD50	90	mg/kg
ORL	MUS	LD50	316	mg/kg
ORL	RAT	LD50	2650	mg/kg

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ORL	RAT	LD50	8400	mg/kg
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**Relevant effects for mixture:**

Effect	Route	Basis
Repeated dose toxicity	-	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Other information:** CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Repr. 2. Vapors have narcotic effect.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Waterbezwaarlijkheid (NL) 1: Zwarte lijst-stof (76/464/EEG). Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water.

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**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Must not be disposed together with household garbage or into the sewage system. Mag niet tezamen met huisvuil gestort worden of in de riolering terecht komen. Darf nicht zusammen mit Hausmüll entsorgt werden oder in die Kanalisation gelangen. Ne doit pas être évacué avec les ordures ménagères à pénétrer dans les canalisations.

**Waste code number:** 08 04 09

**Disposal of packaging:** Uncleaned packagings: recommendation: Disposal according to official regulations. Niet gereinigde verpakkingen: aanbeveling: Afvalverwijdering volgens overheidsbepalingen. Schmutzige Behälter: empfehlung: Entsorgung gemäß den behördlichen Vorschriften. Les emballages souillés: recommandation: évacuation conformément aux prescriptions légales.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN3269

**14.2. UN proper shipping name**

**Shipping name:** POLYESTER RESIN KIT

**14.3. Transport hazard class(es)**

**Transport class:** 3

**14.4. Packing group**

**Packing group:** III

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** Warning: flammable liquids. EMS-number: F-E,S-D.

**Tunnel code:** E

**Transport category:** 3

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

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**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H361d: Suspected of damaging the unborn child.  
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H411: Toxic to aquatic life with long lasting effects.  
R10: Flammable.  
R20: Harmful by inhalation.  
R36/38: Irritating to eyes and skin.  
R37: Irritating to respiratory system.  
R48: Danger of serious damage to health by prolonged exposure.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human

[cont...]

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MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.